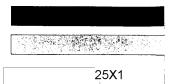
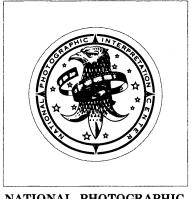
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NATIONAL PHOTOGRAPHIC

INTERPRETATION CENTER

BASIC MAGERY NTERPRETATION REPORT

BARREIRA DO INFERNO ROCKET RANGE (S)

25X1

MISSILE RANGES: STRATEGIC SSM SPACE FACILITIES **BRAZIL APRIL 1979**

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	TTY NAME			COUNTRY
Barreira do Inferno Rocket Range				
ITM COORDINATES	GEOGRAPHIC COORDINATES 05-55-00S 035-09-00W	ICATEGORY BE NO.	COMIREX NO.	NIETB NO.
AP REFERÊNCE				
OG. Series 150	1, Sheet SB 25-5, 1st ed, Ja	an 76, scale 1:250,000 (I	Distribution Limi	ted)
ATEST IMAGERY USED		NEGATION DATE (If req	uired)	
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		ABSTRACT		
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			ocket, is being tes	teu at the range.
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The range con and control ar	sists of a launch area, a lauea, and tracking facilities. This is the first Basic In This report includes a local.	anch support area, a pro magery Interpretation R	opellant storage a eport for the Bar	rea, a command
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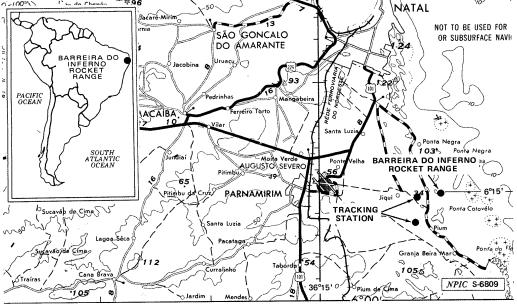


FIGURE 1. LOCATION OF BARREIRA DO INFERNO ROCKET RANGE, BRAZIL

- 1 -Top Secret

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BASIC DESCRIPTION

5. (TSR) Barreira do Inferno Rocket Range (Figure 2), situated along the Atlantic Ocean, consists of a launch area, a launch support area, a propellant storage area, a command and control area, a support area, and tracking facilities (the southwestern tracking facility, approximately 3.5 kilometers southwest of the launch area, is not shown on graphic). Horizontal dimensions provided in this report are accurate within plus or minus plus 1 percent of the measured distance) and vertical dimensions to within plus or minus plus 1 percent of the measured distance), both at a 95-percent confidence level.	25X1 25X1
Launch Area	
6. (TSR) The launch area (Figure 3), in the northeast section of the facility, consists of five circular concrete launch pads (ranging in diameter from with an asphalt road around the circumference of each launch pad, an Aerobee launch tower, a circular command and control building (blockhouse), a meteorological tower, and a helium supply station. Four of the launch pads have missile launch rails.	25X1
Launch Support Area	
7. (TSR) The launch support area (Figure 4 and Table 1), approximately 225 meters south of the launch area, consists of a payload preparation building, a vehicle preparation building, and a support building. ³	
a support building.	25X1
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Propellant Storage Area

8. (TSR) The propellant storage area (Figure 4 and Table 1), approximately 375 meters south of the launch area, consists of three partially bunkered storage buildings (a solid-propellant storage building, a liquid-oxidizer storage building, and a liquid-propellant storage building).3 A looped road serves the propellant storage area.

Command and Control Area

9. (TSR) The command and control area (Figure 4 and Table 1), approximately 325 meters southwest of the launch area, consists of two administration buildings, two meteorological buildings (one with a radome on the roof), a control building, a communication/supply building, a lounge, a quarters building, a generator building, two support buildings, and a helicopter pad.3

Support Area

10. (TSR) The support area (Figure 4 and Table 1), approximately 540 meters southwest of the launch area, consists of four quarters buildings, a restaurant, a lounge, a supply/maintenance building, a service station, a garage, an optical tracking building with two adjacent support buildings, three support buildings, and an instrumentation site (radiant).3

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Tracking Facilities

- 11. (TSR) The rocket range includes three tracking facilities. One tracking site is on the southern edge of the support area, approximately 550 meters south-southwest of the launch area; another site is approximately 2.5 kilometers west of the launch area; and the third is approximately 3.5 kilometers southwest of the launch area.
- 12. (TSR) The tracking facility in the support area consists of an optical tracking building (Baker-Nunn camera facility) and two small support buildings (items 19-21, Figure 4 and Table 1). Adjoining the optical tracking building is a framework for a portion of the roof to slide onto.

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13. (TSR) Significant items observed at the western tracking facility (Figure 5), at 05-55-26S 035-10-24W, include two large support buildings and a parabolic dish

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Table 1. Support Facilities, Barreira do Inferno Rocket Range (Keyed to Figure 4)

This table in its entirety is classified TOP SECRET RUFF

Item	Description ³	L	Dimensions (m) W	Н	Roof Cover (sq m)		
Launch	Support Area					25X	
1	Support bldg						
2	Payload preparation bldg						
3	Vehicle preparation bldg						
Propella	int Storage Area						
4	Solid-propellant storage bldg						
5	Liquid-oxidizer storage bldg						
6	Liquid-propellant storage bldg						
Comma	nd and Control Area					4	
7	Generator bldg						
8	Quarters					4	
9	Lounge						
10	Control bldg						
11	Communication/supply bldg						
12	Admin bldg						
13	Meteorological bldg*						
14	Meteorological bldg with radome						
15	Admin bldg						
16	Support bldg*						
17	Support bldg						
Suppor	t Area						
18	Support bldg*						
19	Support bldg						
20	Optical tracking bldg (Baker-						
	Nunn camera fac) and						
	framework						
21	Support bldg*						
22	Quarters						
23	Lounge						
24	Quarters						
25	Quarters						
26	Restaurant*						
27	Supply/maintenance bldg						
28	Support bldg						
29	Service station*						
30	Quarters						
31	Garage						
32	Support bldg*						
33	Instrumentation site (radiant)	1					

^{*}Dimensions given are at widest point.

^{* *} Height obscured by vegetation.



antenna mounted the roof of one of the large support buildings.	parabolic dish antenna is mounted on	25X1
14 (TSR) The southwestern tracking facility (Figu	re 6), at 05-56-19S 035-10-47W, consists abolic dish antenna mounted on a	25X1
		25X1
		, ,
REFERENCES		
(TSR) KEYHOLE imagery acquired on was used in the preparation of this report.		25X1
MAPS OR CHARTS		
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3. DoD. IR 1 502 0235 69, (U) Barreira do Inferno Rocket Rang	e, Natal, Brazil, 7 May 69 (CONFIDENTIAI	25X1 25X1
REQUIREMENT		
COMIREX P01		
Project 290002DP		
(S) Comments and queries regarding this report are welcome. The Analysis Division, Imagery Exploitation Group, NPIC,	Regional Regional	25X1 25X1

- 6 -

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